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ABSTRACT

This assembly program, designed for presentation at schools or community centers, is a form of community outreach which is an economically viable way of increasing the impact of limited personnel and resources as well as enhancing school science curricula in new and exciting ways. The program contains demonstrations and audience participation techniques that actively involve people in learning about science. This presenter's guide includes a script covering the topics of electricity and magic, electric cells, solar cells, electric generators, static electricity and transformers. Also include are descriptions of the experiments, an outline of the demonstrations, suggestions for the transportation of and setting up of materials, and hints on large-group presentation techniques. Demonstrations and materials include: fiber optics model of an atom; manual generator; wind, water and steam generator; balloon demonstration; and D-C transformers. (JHR)

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